

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference RE/B45181	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/EP 00/ 02920	International filing date (day/month/year) 04/04/2000	(Earliest) Priority Date (day/month/year) 19/04/1999
Applicant SMITHKLINE BEECHAM BIOLOGICALS SA		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☒ contained in the international application in written form.

☒ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

ADJUVANT COMPOSITION COMPRISING SAPONIN AND AN IMMUNOSTIMULATORY OLIGONUCLEOTIDE

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☒ None of the figures.

INTERNATIONAL SEARCH REPORT

National Application No.

/EP 00/02920

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K39/00 A61K39/39 A61P31/04 A61P31/12 A61P35/00
A61P37/08 A61P25/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

STRAND, EPO-Internal, BIOSIS, WPI Data, PAJ, MEDLINE, CANCERLIT, AIDSLINE, CHEM
ABS Data, EMBASE, SCISEARCH

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 56415 A (AQUILA BIOPHARM INC ;UAB RESEARCH FOUNDATION (US)) 17 December 1998 (1998-12-17) cited in the application	1-3, 8-22, 24, 26-29
Y	the whole document especially page 10 line 18 - page 11 line 13	4-7, 23, 25
Y	WO 98 18810 A (UNIV IOWA RES FOUND ;KLINE JOEL N (US); KRIEG ARTHUR M (US)) 7 May 1998 (1998-05-07) the whole document especially page 64 lines 16-20	4-7, 23, 25
Y	EP 0 855 184 A (HEEG KLAUS PROF DR ;LIPFORD GRAYSON B DR (DE); WAGNER HERMANN PROF) 29 July 1998 (1998-07-29) the whole document	4-7, 23, 25
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

18 October 2000

Date of mailing of the international search report

26/10/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Stein, A

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 00/02920

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 98 37919 A (UNIV IOWA RES FOUND) 3 September 1998 (1998-09-03) the whole document ---	5
A	KLINMAN D M: "Therapeutic applications of CpG -containing oligodeoxynucleotides" ANTISENSE & NUCLEIC ACID DRUG DEVELOPMENT,US,MARY ANN LIEBERT, INC., NEW YORK, vol. 8, 1998, pages 181-184, XP002128519 ISSN: 1087-2906 the whole document ---	1,4-7, 23-29
A	WO 99 12565 A (SMITHKLINE BEECHAM BIOLOG ;GARCON NATHALIE (BE); MOMIN PATRICIA MA) 18 March 1999 (1999-03-18) the whole document ---	1,2,8-29
P,A	WO 99 33488 A (DALEMANS WILFRIED L J ;PRIELS JEAN PAUL (BE); SMITHKLINE BEECHAM) 8 July 1999 (1999-07-08) the whole document ---	1-29
P,X	WO 00 09159 A (AQUILA BIOPHARMACEUTICALS INC ;KENSIL CHARLOTTE A (US)) 24 February 2000 (2000-02-24) the whole document ---	1-29
P,X	WO 99 61056 A (LOEB HEALTH RESEARCH INST AT T ;CPG IMMUNOPHARMACEUTICALS INC (US)) 2 December 1999 (1999-12-02) the whole document -----	1-29

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 00/02920

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9856415	A	17-12-1998	EP 0988053 A	29-03-2000
WO 9818810	A	07-05-1998	AU 5242498 A	22-05-1998
			CN 1235609 A	17-11-1999
			EP 0948510 A	13-10-1999
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			EP 0971736 A	19-01-2000
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			EP 1039935 A	04-10-2000
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			EP 1009430 A	21-06-2000
WO 9933488	A	08-07-1999	AU 2419099 A	19-07-1999
			AU 2419199 A	19-07-1999
			WO 9933868 A	08-07-1999
			EP 1039930 A	04-10-2000
			EP 1040123 A	04-10-2000
			NO 20003302 A	18-08-2000
			NO 20003303 A	04-08-2000
WO 0009159	A	24-02-2000	AU 5395399 A	06-03-2000
WO 9961056	A	02-12-1999	AU 4197799 A	13-12-1999